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PTO/SB/05 (03-01)  
Approved for use through 10/31/2002. OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

First Inventor

GREGG NATHAN BUCHL

Title

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification (Total Pages 17)  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
5. Oath or Declaration [Total Pages 1]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

or ☒ Correspondence address below

Name

ANDREW F. BUCHL  
#10 WILLIAM LANE

Address

City

BELLA VISTA

State

AR

Zip Code

72714

Country

USA

Telephone

479-876-5992

Fax

876-5185

Name (Print/Type)

ANDREW F. BUCHL

Registration No. (Attorney/Agent)

Signature

*Andrew F. Buchl*

Date

2-6-04

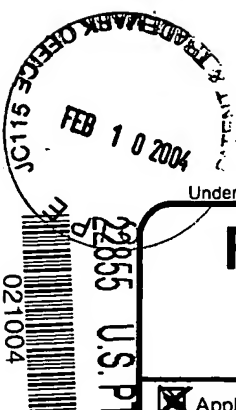
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The PTO did not receive the following listed item(s) \_\_\_\_\_

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22154 U.S. PTO  
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# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **574**

## Complete if Known

|                      |                           |
|----------------------|---------------------------|
| Application Number   |                           |
| Filing Date          |                           |
| First Named Inventor | <b>GREGG NATHAN BACHL</b> |
| Examiner Name        |                           |
| Art Unit             |                           |
| Attorney Docket No.  |                           |

## METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

|                        |  |
|------------------------|--|
| Deposit Account Number |  |
| Deposit Account Name   |  |

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001 740                   | 2001 370                   | Utility filing fee     | 385      |
| 1002 330                   | 2002 165                   | Design filing fee      |          |
| 1003 510                   | 2003 255                   | Plant filing fee       |          |
| 1004 740                   | 2004 370                   | Reissue filing fee     |          |
| 1005 160                   | 2005 80                    | Provisional filing fee |          |

SUBTOTAL (1) (\$) **385**

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 22                 | -20** = 2    | 9              | 18       |
| Independent Claims | -3** = 0     |                |          |
| Multiple Dependent | 19 X 9       |                | 171      |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  |
|----------------------------|----------------------------|--|
| 1202 18                    | 2202 9                     | Claims in excess of 20                                     |
| 1201 84                    | 2201 42                    | Independent claims in excess of 3                          |
| 1203 280                   | 2203 140                   | Multiple dependent claim, if not paid                      |
| 1204 84                    | 2204 42                    | ** Reissue independent claims over original patent         |
| 1205 18                    | 2205 9                     | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) **189**

\*\*or number previously paid, if greater. For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 1051 130                   | 2051 65                    | Surcharge - late filing fee or oath  |          |
| 1052 50                    | 2052 25                    | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130                   | 1053 130                   | Non-English specification  |          |
| 1812 2,520                 | 1812 2,520                 | For filing a request for <i>ex parte</i> reexamination                     |          |
| 1804 920*                  | 1804 920*                  | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*                | 1805 1,840*                | Requesting publication of SIR after Examiner action                        |          |
| 1251 110                   | 2251 55                    | Extension for reply within first month                                     |          |
| 1252 400                   | 2252 200                   | Extension for reply within second month                                    |          |
| 1253 920                   | 2253 460                   | Extension for reply within third month                                     |          |
| 1254 1,440                 | 2254 720                   | Extension for reply within fourth month                                    |          |
| 1255 1,960                 | 2255 980                   | Extension for reply within fifth month                                     |          |
| 1401 320                   | 2401 160                   | Notice of Appeal   |          |
| 1402 320                   | 2402 160                   | Filing a brief in support of an appeal                                     |          |
| 1403 280                   | 2403 140                   | Request for oral hearing   |          |
| 1451 1,510                 | 1451 1,510                 | Petition to institute a public use proceeding                              |          |
| 1452 110                   | 2452 55                    | Petition to revive - unavoidable   |          |
| 1453 1,280                 | 2453 640                   | Petition to revive - unintentional   |          |
| 1501 1,280                 | 2501 640                   | Utility issue fee (or reissue)   |          |
| 1502 460                   | 2502 230                   | Design issue fee   |          |
| 1503 620                   | 2503 310                   | Plant issue fee  |          |
| 1460 130                   | 1460 130                   | Petitions to the Commissioner  |          |
| 1807 50                    | 1807 50                    | Processing fee under 37 CFR 1.17(q)  |          |
| 1806 180                   | 1806 180                   | Submission of Information Disclosure Stmt                                  |          |
| 8021 40                    | 8021 40                    | Recording each patent assignment per property (times number of properties) |          |
| 1809 740                   | 2809 370                   | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810 740                   | 2810 370                   | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801 740                   | 2801 370                   | Request for Continued Examination (RCE)                                    |          |
| 1802 900                   | 1802 900                   | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) **574**


## SUBMITTED BY

|                   |                        |                                   |                 |           |                     |
|-------------------|------------------------|-----------------------------------|-----------------|-----------|---------------------|
| Name (Print/Type) | <b>ANDREW F. BACHL</b> | Registration No. (Attorney/Agent) |                 | Telephone | <b>479-876-5992</b> |
| Signature         | <i>Andrew F. Bachl</i> | Date                              | <b>2-6-2004</b> |           |                     |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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PTO/SB/21 (08-00)

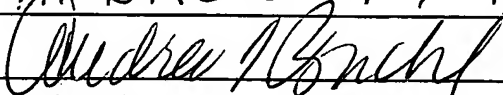
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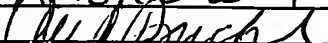
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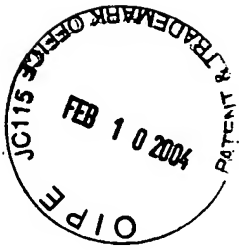
|   |                      |                        |  |
|---|----------------------|------------------------|--|
| <b>TRANSMITTAL<br/>FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   |                        |  |
|   | Filing Date          |                        |  |
|   | First Named Inventor | GREGG NATHAN BUCHL     |  |
|   | Group Art Unit       |                        |  |
|   | Examiner Name        |                        |  |
| Total Number of Pages in This Submission  |                      | Attorney Docket Number |  |

| ENCLOSURES (check all that apply)  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input checked="" type="checkbox"/> Assignment Papers (for an Application)<br><input checked="" type="checkbox"/> Drawing(s) 7<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
| Remarks  |   |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |
|--|---|
| Firm or Individual name                    | ANDREW F. BUCHL   |
| Signature                                  |  |
| Date                                       | February 6, 2004  |

| CERTIFICATE OF MAILING  |   |      |        |
|---|---|------|--------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 2-6-04 |   |      |        |
| Typed or printed name   | ANDREW F. BUCHL   |      |        |
| Signature   |  | Date | 2-6-04 |

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February 6, 2004

Commissioner of Patents  
US Patent and Trade Office  
Box 1450  
Alexandria, VA 22313-1450

Re: Patent Application: A Selective Position Control System and Method  
Gregg Nathan Buchl  
4576 Castle Circle  
Broomfield, CO 80020  
Tel: 720-887-4042

Dear Sir:

Attachments as follows:

1. Post card for return to acknowledge receipt of application
2. Fee Transmittal - SB/17
3. Utility Patent Application Transmittal - SB/05
4. Transmittal Form - SB/21
5. Declaration for Utility or Design Patent Application SB/01
6. Declaration - Utility or Design Patent Application - SB/01
7. Declaration for Utility or Design Application Using an Application Data Sheet SB/01A
8. Assignment of US Patent 4,825,655

My credit card number for fees:      Master Card  
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01/04-02/07

Sincerely yours,

Andrew F. Buchl  
#10 William Lane  
Bella Vista, AR 72714  
Tel: 479-876-5992